Multifunctional Floating Dispenser

1. Identification of the substance/preparation and of the company/undertaking

1.1 Product Identifier Multifunctional Floating Dispenser

1.2 Relevant Identified uses of the substance or mixture and uses advised against

Uses: For disinfection of pool and spa water.

1.3 Details of the supplier of the safety data sheet

Company: Complete Pool Controls Ltd
Unit 2, The Park
Stoke Orchard
Bishops Cleeve
Gloucestershire GL52 7RS

Telephone: +44 (0) 8712 229081 Fax: +44 (0) 8712 229083
E-mail: sales@cpc-chemicals.co.uk

1.4 Emergency Telephone

Tel: +44 (0) 8712 229081 (office hours) +44 (0) 3712 229084 (outside of office hours)

2. Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Hazard Class	Hazard Statements
Ox. Sol. 2	H272
Acute Tox. 4 *	H302
Eye Irrit. 2	H319
STOT SE 3	H335
Aquatic Acute 1	H410

For the full text of the H statements mentioned in this section see Section 16.

Most important adverse effects

Human Health: See section 11 for toxicological information.
Physical & Chemical Hazards: See section 9 for toxicological information.
Potential environmental effects: See section 12 for toxicological information.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard symbols:

Signal word: Danger

Hazard statements:

H272 May intensify fire; oxidiser
H302 Harmful if swallowed.
H319 Causes serious eye irritation
H410: Very toxic to aquatic life with long lasting effects
H335: May cause respiratory irritation.
EUH031 Contact with acids liberates toxic gas.
Warning! Do not use together with other products. May release dangerous gases (chlorine).
Use biocides safely. Always read the label and product information before use.

Precautionary Statements:

P102 Keep out of reach of children
P402 Store in a dry place.
P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

Hazardous components which must be listed on the label Trichloroisocyanuric Acid

2.3 Other Hazards No other information is available.

3. Composition/information on ingredients

3.2 Mixture

Trichloroisocyanuric Acid

CAS No	ENICS No	%	CLP Classification
87-90-01	201-782-8	92%	Ox. Sol. 2 H272: Acute Tox. 4 * H302; Eye Irrit. 2 H319; H360: H400; H410; H335; H336; EUH031

Aluminium Sulphate

233-135-0	10043-01-03	8%	Eye dam1 H318

4. First Aid measures

4.1 Description of first aid measures

General Advice: Take off all contaminated clothing immediately.

If inhaled: : Move to fresh air. Remove contaminated clothing and loosen remaining clothing. Seek immediate medical advice.
In case of unconsciousness place patient stably in side position for transportation

In case of skin contact: Drench the skin with plenty of water. Remove contaminated clothing and wash before reuse. If large areas of the skin is damaged or if irritation persists seek medical attention

In case of eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult an eye specialist immediately. Go to an ophthalmic hospital if necessary.

If swallowed: Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms & Effects: No further information available.

4.3 Indication of immediate medical attention and special treatment needed

Treatment Treat Symptomatically.

5. Fire fighting measures

5.1 Extinguishing media:

Suitable media: Powder or carbon dioxide
Unsuitable media: Foam or water

5.2 Special hazards arising from the substance or mixture

Specific Hazards In case of fire, the following can be released:
Nitrogen oxides (NOx) and Hydrogen chloride (HCl)

5.3 Advice for fire-fighters

Special protective equipment Fire-fighters should wear full protective clothing and self-contained breathing apparatus (SCBA). Thoroughly decontaminate fire-fighting equipment including all fire fighting wearing apparel after the incident.

Further Information: Collect contaminated fire extinguishing water separately.

6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: Use personal protective equipment. Provide adequate ventilation.
For personal protection see section 8.

6.2 Environmental precautions

Environmental precautions: Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration
If the product contaminates rivers and lakes or drains inform respective authorities
Local authorities should be advised if significant spillages cannot be contained

6.3 Methods and materials for containment and cleaning up

Cleaning up: Sweep up leaks or spills of this product with dry broom and dissolve them in water. After that, neutralize this solution with sodium thiosulphate or sodium sulfate and discard it while controlling temperature and pH.

6.4 Reference to other sections

For personal protection see section 8

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling: Strong oxidising agent. DO NOT MIX WITH OTHER CHEMICALS. Mix only with water. Never add water to product. Always add product to water. Use clean dry dispensing equipment.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of the work day. Take off all contaminated clothing immediately. Provide adequate ventilation. **Avoid contact with the skin and eyes.**

7.2 Conditions for safe storage, including any incompatibilities.

Storage areas: Store in a cool, dry, well-ventilated area.
Containers: Keep this product in original, sealed container when not in use.
Protection against fire: Normal measures for preventive fire protection
Further information: Keep away from children
Common storage: Do not store together with acids

7.3 Specific end uses No information is available.

8. Exposure control/personal protection

8.1 Control parameters Contains no substances with occupational exposure limit values

8.2 Exposure controls

Engineering measures Fume cupboard required when vapours/aerosol are generated.

Personal protective equipment

Respiratory protection: Use suitable respiratory protective device when high concentrations are present.
Filter P2 Filter P3

Hand protection: Wear suitable chemical resistant gloves
Glove Material: Nitrile Rubber - NBR / Butyl rubber - BR / PVC / Flurocarbon rubber (Viton)

Eye protection: Tightly fitting safety goggles.

Skin and body protection: Plastic apron, sleeves, boots-if handling large quantities

Environmental exposure controls

General advice: General room ventilation plus local exhaust should be used to maintain exposure below TLV. Eyewash and emergency shower facilities recommended. Remove and wash contaminated clothing before reuse.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form:	Tablets
Colour:	Whitish
Odour:	Characteristic chlorine
pH @ 20°C:	2.0 - 2.7
Melting Point	225°C
Boiling point/boiling range:	Undetermined
Flammability (solid, gas)	Not applicable
Density @ 20°C:	ca. 2.5 g/cm^3
Water solubility:	12 g/ 25 °C
Explosive properties:	If mixed with ammonia or sodium hydroxide and Cyanuric acid
Oxidising properties:	Product is an oxidiser

9.2 Other Information

10. Stability and reactivity

10.1 Reactivity

Reactivity — No information available

10.2 Chemical stability

Chemical stability — No decomposition if stored normally

10.3 Possibility of hazardous reactions

Hazardous reactions: — Gives off hydrogen by reaction with metals. Reacts exothermic with water.

10.4 Conditions to avoid

Conditions to avoid — High temperature. Poor ventilation. Contamination. Moisture/high humidity.

10.5 Incompatible materials

Materials to avoid — Contact with most organic matter or easily chlorinated or oxidized materials may result in fire.
Contact with ammonia, ammonium salts, urea or similar compounds which contain nitrogen may form nitrogen trichloride, a highly explosive compound.
Contamination with oils and greases may cause decomposition with formation of CO2, CL2.
Contact with alcohols, others, biuret and solvents (toluene, xylene, turpentine etc.) may result in the release of hazardous vapours.

10.6 Hazardous decomposition products

Haz. Decomp. products: — Nitrogen trichloride, chlorine, cyanuric acid.

11. Toxilogical Information

11.1 Information on toxilogical effects

Acute Toxicity

	Value type	Value	Species
Oral	LD50	406 mg/kg	Rat

Primary Irritant effect

On the skin: Powder may irritate skin after prolonged contact.
On the eye: Particles in the eyes may cause irritation and smarting

Carcinogenic This product is not listed as a carcinogen
Mutagenic Currently we do not have any information from our supplier about this.

Sensitization: No sensitizing effects known

Additional toxicological information: No specific symptoms noted.

Trade Name: Multifunctional Floating Dispenser

12. Ecological Information

12.1 Toxicity

Acute Toxicity

EC50	0.2	mg/l	(daphnia)
LC50	0.3	mg/l	(Danio rerio (Zebrabärbling))

This product is toxic to fish and aquatic organisms.
Salts, acids and bases are typically diluted and neutralised when released to the environment in small doses.
DO NOT discharge effluent containing this product into lakes, streams, ponds or estuaries, oceans or their waters unless in accordance with the applicable regulatory requirements.
DO NOT discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority.

12.2 Persistence and degradability

Persistence and degradability No data available

12.3 Bioaccumlative potential

Bioaccumlative potential No data available

12.4 Mobility in soil

Mobility in soil soluble in water, predicted to have high mobility in soil.

12.5 Results of PBT and PvB :

PBT and PvB : Not a PBT according to REACH Annex XIII

12.6 Other adverse effects

Other adverse effects No data available

13. Disposal Considerations

13.1 Waste treatment methods

Product: Disposal together with normal waste is not allowed. Special disposal is required according to local regulations. Do not let product enter drains. Contact waste disposal services.

Contaminated packaging: Empty contaminated packaging thoroughly. They can be re-cycled after thorough and proper cleaning. Packaging that cannot be cleaned is to be disposed of in the same manner as the product

Waste Catalogue No: No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

14. Transport Information

14.1 UN Number 2468

14.2 UN proper shipping name TRICHLOROISOCYANURIC ACID, DRY

14.3 Transport hazard class(es)

Class	5.1
Classification Code	5.1
Hazard label	50
Transport Category	O2

Tunnel Code	E
Excepted Quantities	E1
Limited Quantities	1kg

14.4 Packaging Group II (Continued on Page 6)

Trade Name: Multifunctional Floating Dispenser

14. Transport Information

14.5 Environmental hazards

Environmentally Hazardous	Yes
Marine Pollutant	Yes

14.6 Special precautions for user

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.

15.2 Chemical Safety Assessment

Currently we do no have any information from our supplier about this.

16. Other information

Full text of H-statements referred to under sections 2 and 3

H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH031	Contact with acids liberates toxic gas.

Further information

Restricted to professional users. Attention - Avoid exposure- obtain special instructions before use

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty or merchantability, or fitness for any particular use, or any other warranty, express or implied, with respect to this information, and we assume no liability resulting from use of this information Users should make their own investigations to determine the suitability of the information for their particular needs and uses.

• **Abbreviations and acronyms:**

ADR: Accord europeen sur le transport des marchandises dangereuse par Route (European Agreement concerning the
RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DG Dangerous goods Regulations by the 'International Air Transport Association' (IATA)
ICAO: International Civil Aviation Organization
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINEC European Inventory of Existing Commercial Chemical Substances.
CAS: Chemicals Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

REV 4

Indicates updated section.